

CLAIMS

What is claimed is:

1. A method in a mobile wireless communication station
operating in a first data rate mode and a second data rate mode,
comprising:

predicting when the mobile wireless communication station
transitions between the first data rate mode and the second data rate
mode; and

requesting data from a network prior to transitioning between
the first data rate mode and the second data rate mode.

2. The method of claim 1, receiving data from the network prior
to the mobile wireless communication station transitioning between a
first data rate mode and a second data rate mode in response to the
request.

3. The method of claim 1, the first data rate mode is digital
mode and the second data rate mode is analog mode, requesting the
data from a cellular communication network.

4. The method of claim 1, the first data rate mode is digital
mode and the second data rate mode is analog mode, requesting the
data from a satellite communication network.

5. The method of claim 3, requesting Global Positioning
Satellite system data from the cellular communication network.

6. The method of claim 5, requesting ephemeris data from the
cellular communication network.

7. A mobile wireless communication station that operates in a first data rate mode and second data rate mode, comprising:

a transmitter;

5 a processor coupled to the transmitter;

the processor for predicting when the mobile wireless communication station transitions between the first data rate mode and the second data rate mode; and

10 the transmitter for transmitting data before the mobile wireless communication station transitions between the first data rate mode and the second data rate mode .

8. The mobile wireless communication station of claim 7, means for receiving data from a network before transitioning.

15 9. The mobile wireless communication station of claim 7, means for storing data from a network before transitioning.

20 10. The mobile wireless communication station of claim 7, means for requesting data from a cellular communication network prior to the mobile communication station transitioning between a first data rate mode and a second data rate mode.

25 11. The mobile wireless communication station of claim 7, means for requesting data from a satellite communication network prior to the mobile communication station transitioning between a first data rate mode and a second data rate mode.

12. The mobile wireless communication station of claim 10,
means for requesting Global Positioning Satellite system data from
the cellular communication network before transitioning.

5 13. The mobile wireless communication station of claim 12,
means for requesting ephemeris data from the cellular
communication network before transitioning.

10 14. The mobile wireless communication station of claim 10,
means for receiving Global Positioning Satellite system data from the
cellular communication network before transitioning.

15 15. The mobile wireless communication station of claim 10,
means for receiving ephemeris data from the cellular communication
network before transitioning.

16. A method in a network that operates in a first data rate
mode and second data rate mode, comprising:

20 predicting when a mobile wireless communication station
transitions between the first data rate mode and the second data rate
mode; and

transmitting data from the network prior to the mobile wireless
communication station transitioning between a first data rate mode
and a second data rate mode.

25 17. The method of claim 15, the first data rate mode is digital
mode and the second data rate mode is analog mode, transmitting
data from a cellular communication network to the mobile wireless
communication station before transitioning.

18. The method of claim 15, the first data rate mode is digital mode and the second data rate mode is analog mode, transmitting data from a satellite communication network to the mobile wireless communication station before transitioning.

19. The method of claim 17, the first data rate mode is digital mode and the second data rate mode is analog mode, transmitting Global Positioning Satellite system data to the mobile wireless communication station before transitioning.

20. The method of claim 19, transmitting ephemeris data to the mobile wireless communication station before transitioning.